

WHAT IS CLAIMED IS:

1. Tuner apparatus comprising:

a mixer circuit for frequency-converting terrestrial TV broadcast or CATV broadcast wave signals supplied from a terrestrial TV broadcasting or CATV broadcasting receiver into those to fall within the bandwidth of intermediate-frequency signals of satellite TV broadcasting supplied from a satellite TV broadcasting receiver and outputting first intermediate-frequency signals;

a quadrature detector circuit to which said satellite TV broadcasting intermediate-frequency signals and said first intermediate-frequency signals are inputted; and

an oscillator circuit for supplying oscillation signals to said quadrature detector circuit;

wherein when the tuner receives satellite TV broadcasting, said oscillator circuit supplies oscillation signals in a predetermined frequency band and of a predetermined phase to said quadrature detector circuit where said satellite TV broadcasting intermediate-frequency signals supplied thereto are demodulated into baseband signals by using said oscillation signals; and

wherein when the tuner receives terrestrial TV broadcasting or CATV broadcasting, said oscillator circuit supplies oscillation signals in a predetermined frequency band



those to fall within the bandwidth of said satellite TV broadcasting intermediate-frequency signals by using first oscillation signals in a predetermined frequency band and outputting first intermediate-frequency signals.

a quadrature detector circuit to which said satellite TV broadcasting intermediate-frequency signals and said first intermediate-frequency signals are inputted;

a first oscillator circuit for supplying said first oscillation signals to said mixer circuit; and

a second oscillator circuit for supplying second oscillation signals to said quadrature detector circuit;

wherein when the tuner receives satellite TV broadcasting, said second oscillator circuit supplies said second oscillation signals in a predetermined frequency band and of a predetermined phase to said quadrature detector circuit where said satellite TV broadcasting intermediate-frequency signals supplied thereto are demodulated into baseband signals by using said second oscillation signals; and

wherein when the tuner receives terrestrial TV broadcasting or CATV broadcasting, said second oscillator circuit supplies said second oscillation signals in a predetermined frequency band to said quadrature detector circuit where said first intermediate-frequency signals

